

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A play back apparatus in which, according to a play back command from an operation section, the PCM audio data is generated from compression data in which the audio information is coded, and an audio is played back according to the PCM audio data,

said play back apparatus comprising:

a control section for conducting the control of each section of said apparatus according to each kind of commands from an operation section;

a compression decoder for decode processing the compression data, generating the PCM audio data, and successively outputting thereof;

a first storage section for successively renewing the temporarily stored data successively generated according to the PCM audio data and temporality storing thereof, and appropriately repeatedly reading out the temporarily stored data which is temporarily stored, and successively outputting thereof; and

a switching section for selecting either one of the PCM audio data successively outputted from said compression decoder or the temporarily stored data stored in said first storage section, and outputting thereof, wherein

when a quick traverse play back command or quick returning play back command is given by said operation section, (1) said control section controls said switching section and selectively outputs the temporarily stored data stored in said first storage section and (2) said switch section outputs a special audio data,

wherein the special audio data is an imitation sound into which the quick traverse play-back of the audio information is converted.

Claim 2 (currently amended): The play back apparatus according to Claim 1,
wherein

the temporarily stored data includes the PCM audio data to play back the special audio data in which the quick traverse play-back audio ~~of the audio information~~, or the quick returning play-back audio of the audio information is converted into an imitation sound.

Claim 3 (original): The play back apparatus according to Claim 1, wherein
the temporarily stored data includes the data obtained by extracting the PCM audio data outputted from said compression decoder at a predetermined interval.

Claim 4 (original): The play back apparatus according to Claim 1, wherein
said first storage section includes a predetermined number of storage addresses, and successively reads in the temporarily stored data successively generated according to the PCM

audio data successively outputted from said compression decoder, and successively stores in the address specified by said control section.

Claim 5 (original): The play back apparatus according to Claim 1, wherein
when the quick traverse play back command is given by said operation section, the temporarily stored data stored in said first storage section is repeatedly read out in the stored order and successively outputted as the output data.

Claim 6 (original): The play back apparatus according to Claim 1, wherein
when the quick returning play back command is given by said operation section, the storing temporarily stored data is repeatedly read out in the order reversed to the stored order, and successively outputted as the output data.

Claim 7 (original): The play back apparatus according to Claim 1, wherein
said control section controls in such a manner that, before the each kind of command is given from said operation section, said control section judges whether the temporarily stored data is already stored in said first storage section, and

when it is judged that the temporarily stored data is not yet stored in said first storage section, said control section makes the decode processing of the compression data by said compression decoder start, and generates the PCM audio data, and makes the PCM audio data

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successively output from said compression decoder, and makes the temporarily stored data generated according to the PCM audio data, temporarily stored in said first storage section.

Claim 8 (original): The play back apparatus according to Claim 1, further comprising:
a second storage section for storing the default data including the PCM audio data having a predetermined data amount, wherein

said control section controls in such a manner that, before each kind of command is given from said operation section, said control section judges whether the temporarily stored data is already stored in said first storage section, and

when it is judged that the temporarily stored data is not yet stored in said first storage section, the temporarily stored data according to the default data stored in said second storage section is read in said first storage section, and temporarily stored.

Claim 9 (currently amended): The play back apparatus according to Claim 8,
wherein

the default data includes the PCM audio data to play back the special audio data in which the quick traverse play back audio, or the quick returning play back audio of the audio information is converted into an imitation sound.

Claim 10 (currently amended): A play back apparatus in which, according to a play back command from an operation section, the PCM audio data is generated from compression

data in which the audio information is coded, and an audio is played back according to the PCM audio data,

said play back apparatus comprising:

a control section for conducting the control of each section of said apparatus according to each kind of commands from an operation section;

a compression decoder for decode processing the compression data, generating the PCM audio data, and successively outputting thereof;

a first storage means for successively renewing the temporarily stored data successively generated according to the PCM audio data and temporality storing thereof, and appropriately repeatedly reading out the temporarily stored data which is temporarily stored, and successively outputting thereof; and

a switching means for selecting either one of the PCM audio data successively outputted from said compression decoder or the temporarily stored data stored in said first storage means, and outputting thereof, wherein

when a quick traverse play back command or quick returning play back command is given by said operation section, (1) said control section controls said switching means and selectively outputs the temporarily stored data stored in said first storage means and (2) said switch means outputs a special audio data,

wherein the special audio data is an imitation sound into which the quick traverse play-back of the audio information is converted.

Claim 11 (currently amended): The play back apparatus according to Claim 10,
wherein

the temporarily stored data includes the PCM audio data to play back the special audio
data in which the quick traverse play-back audio ~~of the audio information~~, or the quick returning
play-back audio of the audio information is converted into an imitation sound.

Claim 12 (original): The play back apparatus according to Claim 10, wherein
the temporarily stored data includes the data obtained by extracting the PCM audio data
outputted from said compression decoder at a predetermined interval.

Claim 13 (original): The play back apparatus according to Claim 10, wherein
said first storage means includes a predetermined number of storage addresses, and
successively reads in the temporarily stored data successively generated according to the PCM
audio data successively outputted from said compression decoder, and successively stores in the
address specified by said control section.

Claim 14 (original): The play back apparatus according to Claim 10, wherein
when the quick traverse play back command is given by said operation section, the
temporarily stored data stored in said first storage means is repeatedly read out in the stored
order and successively outputted as the output data.

Claim 15 (original): The play back apparatus according to Claim 10, wherein
when the quick returning play back command is given by said operation section, the
storing temporarily stored data is repeatedly read out in the order reversed to the stored order,
and successively outputted as the output data.

Claim 16 (original): The play back apparatus according to Claim 10, wherein
said control section controls in such a manner that, before the each kind of command is
given from said operation section, said control section judges whether the temporarily stored data
is already stored in said first storage means, and

when it is judged that the temporarily stored data is not yet stored in said first storage
means, said control section makes the decode processing of the compression data by said
compression decoder start, and generates the PCM audio data, and makes the PCM audio data
successively output from said compression decoder, and makes the temporarily stored data
generated according to the PCM audio data, temporarily stored in said first storage means.

Claim 17 (original): The play back apparatus according to Claim 10, further
comprising:

a second storage means for storing the default data including the PCM audio data having
a predetermined data amount, wherein

said control section controls in such a manner that, before each kind of command is given from said operation section, said control section judges whether the temporarily stored data is already stored in said first storage means, and

when it is judged that the temporarily stored data is not yet stored in said first storage means, the temporarily stored data according to the default data stored in said second storage means is read in said first storage means, and temporarily stored.

Claim 18 (currently amended): The play back apparatus according to Claim 17,
wherein

the default data includes the PCM audio data to play back the special audio data in which the quick traverse play back audio, or the quick returning play back audio of the audio information is converted into an imitation sound.

Claim 19 (new): The play back apparatus according to claim 1, further comprising:
a special audio data generating section for generating the special audio data from the temporarily stored data repeatedly supplied from the first storage section and supplying thereof to the switching section.

Claim 20 (new): The play back apparatus according to claim 10, further comprising:

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a special audio data generating section for generating the special audio data from the temporarily stored data repeatedly supplied from the first storage means and supplying thereof to the switching means.